ABSTRACT

An improved blast liner assembly for use in gravel packing or fracturing operations wherein solid materials, in slurry form, are flowed out of the flowbore of a working tool and into the annulus of a wellbore. The blast liner is a cylindrical member that provides a protective shield to the interior retaining section. An angular flow diverter is provided within the blast liner and has a plurality of angled flow diversion channels formed into the inner surface of the blast liner body. Flow of slurry through the blast liner will cause the blast liner to rotate within the retaining section due to the reaction forces imparted to the blast liner from diverting the slurry flow. In this manner, the impingement area presented by the blast liner is increased, and the life of the blast liner extended. The blast liner may also be caused to move axially within the retaining section to further increase the impingement area.